

IN THE CLAIMS:

**AMENDMENTS TO THE CLAIMS WITH MARKINGS TO SHOW CHANGES
MADE, AND LISTING OF ALL CLAIMS WITH PROPER IDENTIFIERS**

Claims 1 to 16 are cancelled.

17. (Previously amended) A method for detecting the amplification of DNA and/or RNA sequences comprising:
 - a) providing a sample containing at least a DNA or an RNA sequence amplification reaction mixture;
 - b) inputting light into said sample;
 - c) detecting a scattered light intensity produced by said sample with a detector;
 - d) treating said sample under conditions suitable for amplifying at least DNA or RNA sequences in order to produce such amplified at least DNA or RNA sequences;
 - e) determining the amplification of DNA or RNA sequences in the sample from an increase of the scattered light intensity, scattered exclusively by DNA or RNA.
18. (Previously re-presented) The method of claim 17, wherein the sample is excited by a source, which is a light source selected from the group consisting of a lamp, a laser and an LED.

19. (Currently amended) The method of claim 17, wherein the sample contains impurities, ~~in particular, foreign DNA and/or RNA sequences.~~
20. (Previously re-presented) The method of claim 17, wherein the quantities of products and/or educts are determined for known initial or end concentrations of products and/or educts.
21. (New) The method of claim 17, wherein the sample contains impurities of at least one of foreign DNA and RNA sequences.